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K.Ken
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IN THE CLAIMS

14. (currently amended) A method of obtaining a variant enzyme of a parent enzyme, wherein said variant has one or more desired properties, wherein said method comprises the steps of:
   a. utilizing a three-dimensional renditions of the parent enzyme to identify selected mutation sites;
   b. performing site-saturation mutagenesis at the selected mutation sites to create a library of mutation sites;
   c. screening the library of mutation sites for variants having one or more desired properties;
   d. grading the variants for the one or more desired properties, to provide feedback;
   e. selecting one or more variants having a desirable grade as a template; **and**
   f. using the template and feedback to perform steps b), c), d), and e) on at least one variant having a desirable grade to provide a variant enzyme of the parent enzyme, wherein said variant enzyme comprises one or more desired properties.

15. (original) The method of claim 14 wherein the one or more desired properties are substrate activity, thermostability, stability relative to reaction environment, ionic strength range of stability, pressure stability, or pH range of stability.

16. (original) The method of claim 14 wherein the one or more desired properties is substrate activity and thermostability.

17. (original) The method of claim 14 wherein the enzyme is cutinase.

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